

ATLAS

—●— Observed

--- Expected

0⁺ SM ± 1 σ 0⁺ SM ± 2 σ 0⁺ SM ± 3 σ J^P ± 1 σ J^P ± 2 σ J^P ± 3 σ $H \rightarrow ZZ^* \rightarrow 4l$ $\sqrt{s} = 7 \text{ TeV}, 4.5 \text{ fb}^{-1}$ $\sqrt{s} = 8 \text{ TeV}, 20.3 \text{ fb}^{-1}$ $H \rightarrow WW^* \rightarrow e\nu\mu\nu$ $\sqrt{s} = 8 \text{ TeV}, 20.3 \text{ fb}^{-1}$ $H \rightarrow \gamma\gamma$ $\sqrt{s} = 7 \text{ TeV}, 4.5 \text{ fb}^{-1}$ $\sqrt{s} = 8 \text{ TeV}, 20.3 \text{ fb}^{-1}$ 